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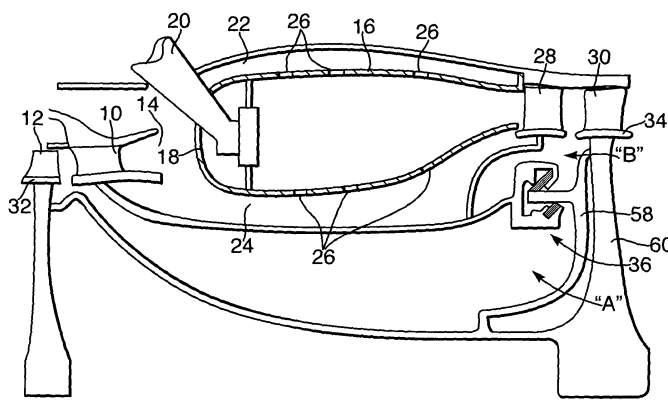
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(54) **Sealing arrangement for turbomachinery**

(57) A sealing arrangement (36) for sealing a leakage gap between relatively moveable parts in a flow path between a region of high pressure (A) and a region of low pressure (B). The sealing arrangement comprises an annular sealing land (52) having a radially inner surface (54) and a radially outer surface (56) projecting from one of the said moveable parts and at least two brush seal elements (40,42). The brush seal elements (40,42) com-

prise a mass of bristles arranged in an annular shape, one end of the bristles being fixed (48), the other being free (46). The bristles are packed together in a layer and positioned one side of a backing member (44). At least one brush seal element is provided on the radially inner surface (54) of the sealing land and at least one brush seal element is provided on the radially outer surface (56) of the sealing land (52).

Fig.1.





EUROPEAN SEARCH REPORT

Application Number
EP 04 25 7373

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 5 474 306 A (BAGEPALLI BHARAT S [US] ET AL) 12 December 1995 (1995-12-12) * column 2, line 36 - line 37 * * column 6, line 10 - line 21; figures 5-12 *	1-3, 5-10,12, 14-16, 18,19	INV. F01D11/00 F02C7/28 ADD. F16J15/32 F01D9/02
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X	US 6 318 728 B1 (ADDIS MARK E [US] ET AL) 20 November 2001 (2001-11-20) * column 3, line 62 - column 4, line 5 * * column 9, line 53 - line 61 * * column 13, line 67 - column 14, line 3; figures 2,4,5-5c,8a,8b,12,14,15,16,18,20-20b *	1,3-8, 10-12, 15,18,19	
A	US 2002/164247 A1 (NADEAU SYLVAIN [CA] ET AL) 7 November 2002 (2002-11-07) * figures *	1-20	TECHNICAL FIELDS SEARCHED (IPC) F01D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 September 2012	Examiner Argentini, A
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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